

Natural Resource
as Input



Economic Activities
Production
Consumption



Pollution &
Waste
as output

Problems

- ⊖ Fish
- ⊖ Crops, soil quality
- ⊖ Forest products
- ⊖ Flooding land
- ⊖ Drinking water

- local income loss
- fishing industry collapse
- migration → well being ↓
- higher costs of living
- culture losses.

- emissions ↑ (CO₂, methane)
- carbon foot print ⊖ f
a dam = fossil fuel plant.

Impact assessment

Gov. failure

- underestimate impacts on environment & economy
- compensation < losses.
- No plans to support new skills.
- Unreliable hydro power due to unsuitable geographical areas.
(lack of mountains)
(large land areas needed)

Building a dam (economic benefit)

- cheap source of electricity
- improve economic growth & trade
- get international funds.

Negative externalities

- costs not reflected in costs of building a dam.

Benefits < losses
(costs to environment & economics)